

BUFFER CIRCUIT DEVICE SUPPLYING A COMMON MODE VOLTAGE
APPLICABLE TO A NEXT-STAGE CIRCUIT RECEIVING OUTPUT
SIGNALS OF THE BUFFER CIRCUIT DEVICE

5

ABSTRACT OF THE DISCLOSURE

10 A buffer circuit device, which receives differential
input signals and outputs differential output signals,
has a buffer circuit, a common mode level generator
circuit, a common mode voltage detection circuit, and a
bias voltage adjusting circuit. The buffer circuit
15 receives the input signals and outputs the output
signals, and the common mode level generator circuit
outputs a specific level of a common mode voltage of the
output signals to be output from the buffer circuit. The
common mode voltage detection circuit detects a common
20 mode voltage of specific signals, and the bias voltage
adjusting circuit adjusts a bias voltage to be supplied
to the buffer circuit by comparing an output signal of
the common mode level generator circuit with an output
signal of the common mode voltage detection circuit.